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OM protein - protein search, using SW model

Run on: January 28, 2005, 13:12:07 ; Search time 154 Seconds
(without alignments)

270.212 Million cell updates/sec

Title: US-10-659-782A-32

Perfect score: 616

Sequence: 1 MPSPGTVCSLLLGMWLIDL.....PPSSRERSRRSHQQSCSPBL 116

Scoring table: BLOSUM62

Gapext 0.5

Searched: 2002273 seqs, 358729299 residues

Total number of hits satisfying chosen parameters: 20022273

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : A_Geneseq_23Sep04:*

1: geneseqD1980b:*

2: geneseqD1990b:*

3: geneseqP2000b:*

4: geneseqP2001b:*

5: geneseqP2002b:*

6: geneseqP2003ab:*

7: geneseqP2003bb:*

8: geneseqP2004b:*

Result No.	Score	Query Match	Length	DB ID	Description
1	198	32.1	60	8 ADK66754	Adk66754 Human ghr
2	198	32.1	91	8 AAE33410	Aaa33410 Human exo
3	198	32.1	117	2 AAW7991	Aaw7991 Protein d
4	198	32.1	117	3 AAY87236	Aay87236 Human sig
5	198	32.1	117	4 AAB20101	Aab20101 Zb1933 pr
6	198	32.1	117	4 AAB62649	Aab62649 Human zsi
7	198	32.1	117	4 AAM38890	Aam38890 Human pol
8	198	32.1	117	4 AAB60511	Aab60511 Human ghr
9	198	32.1	117	5 ABB78319	Abb78319 Amrco aci
10	198	32.1	117	5 AAE22838	Aae22838 Human zsi
11	198	32.1	117	5 AAE15883	Aaa15883 Human zsi
12	198	32.1	117	6 ABU58046	Abu58046 Human
13	198	32.1	117	6 ABU59124	Abu59124 Novel hum
14	198	32.1	117	6 ABU82636	Abu82636 Human sec
15	198	32.1	117	6 ABO17836	Ab017836 Novel hum
16	198	32.1	117	6 ABU60555	Abu60555 Human sec
17	198	32.1	117	6 ABU13937	Abu13937 Human PRO
18	198	32.1	117	6 ABU81090	Abu81090 Human PRO
19	198	32.1	117	6 ABU72522	Abu72522 Novel hum
20	198	32.1	117	6 ABU66790	Abu66790 Human PRO
21	198	32.1	117	6 ABU59871	Abu59871 Novel sec
22	198	32.1	117	6 ABU59271	Abu59271 Human sec
23	198	32.1	117	6 ABO23968	Ab023968 Human PRO
24	198	32.1	117	6 ABO25061	Ab025061 Human sec
25	198	32.1	117	6 ABU58977	Abu58977 Human sec

ALIGNMENTS

RESULT 1	
ID	ADK66754
XX	standard; protein; 60 AA.
AC	ADK66754;
XX	
DT	06-MAY-2004 (first entry)
XX	
DE	Human ghrelin protein #1.
XX	
KW	Growth; appetite; fatness; genotype; polymorphism; ghrelin protein; breeding; human.
XX	
OS	Homo sapiens.
XX	
PN	US2003211512-A1.
XX	
PD	13-NOV-2003.
XX	
PP	14-NOV-2002; 2002US-00294191.
XX	
PP	14-NOV-2001; 2001US-0333222P.
XX	
PP	(ROTH/) ROTHSCHILD M. F.
PA	(KIMK/) KIM K.
PA	(ANDE/) ANDERSON L. L.
XX	
PI	Robtshschild MF, Kim K, Anderson LL;
XX	
DR	WPT; 2004-010667/01.
XX	
PT	Screening animals (i.e. pigs) to determine those more likely to produce desired growth, appetite and fatness to optimize breeding and selection techniques comprises detecting the presence of a polymorphism in the Ghrelin gene.
PT	The present invention relates to a method of screening animals to determine those more likely to produce desired growth, appetite and fatness which involves obtaining a sample of genetic material from the animal and assaying for the presence of a genotype in the animal which is associated with favourable growth, appetite and fatness, the genotype characterised by a polymorphism in the Ghrelin gene. The composition and methods are useful in screening animals (i.e. pigs) to determine those more or less likely to produce desired growth, appetite and fatness to optimise breeding and selection techniques. The present sequence of the invention.
PT	The present invention relates to a method of screening animals to determine those more likely to produce desired growth, appetite and fatness which involves obtaining a sample of genetic material from the animal and assaying for the presence of a genotype in the animal which is associated with favourable growth, appetite and fatness, the genotype characterised by a polymorphism in the Ghrelin gene. The composition and methods are useful in screening animals (i.e. pigs) to determine those more or less likely to produce desired growth, appetite and fatness to optimise breeding and selection techniques. The present sequence of the invention.
PS	Disclosure; SEQ ID NO 3; 24pp; English.
XX	

XX	Sequence 60 AA;	XX	AAW87991 Standard; protein; 117 AA.
Query Match	32.1%; Score 198; DB 8; Length 60;	ID	AAW87991;
Best Local Similarity	88.6%; Pred. No. 1,7e-14;	XX	AAW87991;
Matches	39; Conservative 0; Mismatches 5; Indels 0; Gaps 0;	AC	
Qy	1 MPSPTVCSLILLGMLWLDLAMAGSSFLSPEHORVQVRPHKAP 44	XX	
Db	1 MPSPTVCSLILLGMLWLDLAMAGSSFLSPEHORVQVRKESKRP 44	DT	07-APR-1999 (first entry)
		XX	Protein designated zsig3.
		XX	Zsig3; gastric motility; gastrointestinal inflammation; reflux disease; nutrient absorption regulation; obesity; metabolic disorder.
		XX	
		OS	Homo sapiens.
		XX	
		PH	Location/Qualifiers
		Key	1..23
		Peptide	/note= "signal peptide"
		FT	24..117
		FT	/note= "mature protein"
		XX	
		PN	WO9842840-A1.
		XX	
		PD	01-OCT-1998.
		XX	
		FT	98WO-US005620.
		XX	
		PR	24-MAR-1997;
		XX	97US-004110P.
		PR	24-MAR-1997;
		XX	97US-00822897.
		PA	(ZYMO) ZYMOGENETICS INC.
		XX	
		PI	Sheppard PO, Deisher TA;
		XX	
		DR	WPI; 1999-070071/06.
		DR	N-PSDB; AAX04550.
		XX	
		PT	Human polypeptide having homology to motilin, zsig3 - useful e.g. to treat gastrointestinal motility disorders, obesity etc. and to identify antagonists to treat gastrointestinal hypermotility.
		PT	
		XX	
		PS	Claim 13; Page 55-56; 69pp; English.
		XX	
		CC	The present sequence represents protein designated Zsig3. The nucleic acids are strongly expressed in stomach tissue. The polypeptide (or allelic variants/orthologs) can be used to stimulate gastric motility, measured as increased transit time or gastric emptying of an ingested substance in mammals. The products are used to treat disorders associated with gastrointestinal cell contractility, secretion of digestive enzymes/ acids, gastrointestinal motility, recruitment of digestive enzymes, gastrointestinal inflammation, reflux disease and nutrient absorption regulation. Zsig3 polypeptides may also be important neurologically, since the family of gut-brain peptides to which the homologous protein motilin belongs, has been associated with neurological and CNS functions. They may therefore be used e.g. to regulate satiety or treat obesity and other metabolic disorders where neurological feedback modulates nutritional absorption. They are useful to identify zsig3 antagonists, antagonists and ligands and to produce antibodies
		XX	
		SQ	Sequence 117 AA;
		Query Match	32.1%; Score 198; DB 2; Length 117;
		Best Local Similarity	88.6%; Pred. No. 3.9e-14;
		Matches	39; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
		Qy	1 MPSPTVCSLILLGMLWLDLAMAGSSFLSPEHORVQVRPHKAP 44
		Db	1 MPSPTVCSLILLGMLWLDLAMAGSSFLSPEHORVQQRKESKRP 44
		RESULT 4	
		AAV87236	
		ID	AAV87236 standard; protein; 117 AA.
		XX	
		AC	AAV87236;
		RESULT 3	
		AAW87991	

XX	11-MAY-2000	(first entry)	Qy	1	MPSPGTVCSLLIGMLWLDAAGSSFLSPERHQVQVRPHKAP	44
XX	Human signal peptide containing protein HSPP-13	SEQ ID No:13.	Db	1	MSPGTVCSLLIGMLWLDAAGSSFLSPERHQVQVRPHKAP	44
KW	Human; signal peptide-containing protein; HSPP; diagnosis; cancer; cancer;					
KW	inflammation; cardiovascular disease; anticancer; anti-inflammatory;					
KW	antimicrobial; nootropic; neuroprotective; cardiovascular; hepatotropic;					
KW	antiautomatic; gene therapy; cell proliferation; neurological disorder;					
KW	reproductive disorder; developmental disorder; arteriosclerosis;					
KW	cirrhosis; psoriasis; acquired immune deficiency syndrome; anaemia;					
KW	Crohn's disease; infection; Alzheimer's disease; schizophrenia;					
KW	Parkinson's disease; Huntington's disease; ovulatory defect;					
XX	muscular dystrophy.					
OS	Homo sapiens.					
PN	WO200000610-A2.					
XX						
PD	06-JAN-2000.					
XX						
PF	25-JUN-1999;	93NO-US014484.				
XX						
PR	26-JUN-1998;	98US-0090762P.				
PR	31-JUL-1998;	98US-0094983P.				
PR	01-OCT-1998;	98US-012686P.				
PR	11-DEC-1998;	98US-0112129P.				
XX						
PA	(INCYT) INCYTE PHARM INC.					
XX						
PI	Lal P, Tang YT, Gorgone GA, Corley NC, Guegler KJ, Baughn MR;					
PI	Akerblom IE, Au-Young J, Yue H, Patterson C, Reddy R, Hillman JL;					
PI	Bardman O;					
XX						
DR	WPI; 2000-160673/14.					
DR	N-PDB; AA298121.					
XX						
PR	New human signal peptide-containing proteins useful in treatment, prevention and diagnosis of e.g. cancer, inflammation and cardiovascular disease.					
XX						
PS	Claim 1; Page 168-169; 327pp; English.					
XX						
CC	AAZ98109 to AAZ98242 encode AAY87357 to AAY87357 which represent the human signal peptide-containing proteins HSPP-1 to HSPP-134. HSPPs have					
CC	anticancer, anti-inflammatory, antimicrobial, nootropic, hepatotropic, neuroprotective, cardiovascular and antiasthmatic activities, and can be used in gene therapy. HSPPs can be used to treat or prevent disorders associated with decreased activity or function of HSPP. Antagonists of HSPP are used to treat or prevent disorders associated with increased activity or function of HSPP. Such diseases include cell proliferation (including cancer), inflammation, cardiovascular, neurological, reproductive or developmental disorders, (e.g. arteriosclerosis, cirrhosis, psoriasis, acquired immune deficiency syndrome, anaemia, asthma, Crohn's disease, microbial or other infections, congestive or ischaemic heart disease, Alzheimer's, Parkinson's or Huntington's diseases, schizophrenia, primary defects, muscular dystrophy). HSPP nucleic acids can be used for the recombinant production of HSPP for detecting HSPP in standard hybridisation and amplification assays (for diagnosis and monitoring), in gene therapy, as antisense triplex-forming or ribozyme therapeutics, for detecting related sequences or genetic variations, and for chromosomal mapping. HSPP are also used to raise specific antibodies (Ab) and to screen for agonists and antagonists (potential therapeutic agents). Ab are used to diagnose, or monitor, HSPP-related diseases (in usual immunoassays), as therapeutic antagonists, in competitive drug screens, and for purification of HSPP from natural sources.					
CC	Sequence 117 AA;					
XX						
Query Match	32.1;	Score 198; DB 4; Length 117;				
Best Local Similarity	88.6;	Pred. No. 3.9e-14;				
Matches	39;	Conservative 0; Mismatches 5; Indels 0; Gaps 0;				
Qy	1	MPSPGTVCSLLIGMLWLDAAGSSFLSPERHQVQVRPHKAP	44			
Db	1	MPSPGTVCSLLIGMLWLDAAGSSFLSPERHQVQVRPHKAP	44			

RESULT 6	Qy	1 MPSPTVCSILLGLWLDIAMASSFLSPEHQVQVRPPHKAP 44
AAB62649	Db	1 MPSPTVCSILLGLWLDIAMASSFLSPEHQVQVRPPHKAP 44
ID AAB62649 standard; protein, 117 AA.		
XX		
AC AAB62649;		
XX		
DT 23-JUL-2001 (first entry)		
XX		
DE Human zbig33 polypeptide.		
XX		
KW zbig33; signal transduction; hormone; enzyme; neural development;		
KW gastric contractility; nutrient uptake; digestive; pancreatic; human;		
KW insulin-like growth factor-I; growth hormone; bone; gastrointestina;		
KW glucose; osteopathic; anorectic; pulmonary; immunomodulator; GHS-R;		
XX		
Homo sapiens.		
Key		
Peptide		
PT 24...37		
PT /note= "specifically claimed fragment that binds to the		
GHS-R"		
XX		
PN WO200138355-A2.		
XX		
PD 31-MAY-2001.		
XX		
PF 22-NOV-2000; 2000WO-US032074.		
XX		
PR 22-NOV-1999; 99US-0166765P.		
XX		
PA (ZYMO) ZYMOGENETICS INC.		
XX		
PI Sheppard PO, Jaspers SR, Deisher TA, Bishop PD;		
XX		
DR WPI; 2001-355879/37.		
XX		
PR Forming reversible peptide receptor complex for purifying cell and		
PR peptides, stimulating signal transduction and modulating hormone		
PR secretion, involves contacting a receptor with zbig33 polypeptide.		
XX		
Claim 1; Page 93-94; 111pp; English.		
PS XX		
CC The invention relates to a method of forming a reversible peptide-		
CC receptor complex that involves providing an immobilized receptor, and		
CC contacting the receptor with a zbig33 peptide (comprising residues 24-37		
CC of AA62649), where the receptor binds to the zbig33 peptide. The method		
CC is useful for purifying cells, purifying a peptide, stimulating signal		
CC transduction in a cell expressing a receptor. It is also useful for		
CC modulating secretion of hormones, neural development and/or utilization,		
CC gastric contractility, nutrient uptake, secretion of digestive and		
CC pancreatic enzymes and hormones, secretion of insulin-like		
CC growth factor		
CC hormone secretion in mammal having a disease associated with abnormal		
CC levels of growth hormone, such as osteoporosis, bone repair, bone		
CC remodeling, low osteoblast levels, cartilage repair and remodeling,		
CC skeletal dysplasia, immune suppression, obesity, growth retardation,		
CC protein catabolic responses after surgery, cachexia, protein loss,		
CC dwarfism, wound healing and ovulation induction, treating a mammal having		
CC a metabolic disorder requiring neurological feedback, such as satiety		
CC regulation, glucose absorption and metabolism and neuropathy associated		
CC gastrointestinal disorders, and stimulating glucose-induced insulin		
CC release in a mammal. The present sequence represents the human zbig33		
CC polypeptide, a peptide ligand for the G-protein coupled receptor, GHS-R		
XX Sequence 117 AA;		
SQ		
Query Match 32.1%; Score 198; DB 4; Length 117;		
Best Local Similarity 88.6%; Pred: No. 3.9e-14;		
Matches 39; Conservative 0; Mismatches 5; Indels 0; Gaps 0;		
CC part of the printed specification		
XX		
SQ Sequence 117 AA;		

PR	18-AUG-1998;	98US-0096960P.
PR	19-AUG-1998;	98US-0097022P.
PR	19-AUG-1998;	98US-009714P.
PR	20-AUG-1998;	98US-009721P.
PR	24-AUG-1998;	98US-009766P.
PR	26-AUG-1998;	98US-009795P.
PR	26-AUG-1998;	98US-009797P.
PR	26-AUG-1998;	98US-009797P.
PR	26-AUG-1998;	98US-009797P.
PR	26-AUG-1998;	98US-009798P.
PR	26-AUG-1998;	98US-009801P.
PR	31-AUG-1998;	98US-009825P.
PR	16-SEP-1998;	98US-0100634P.
PR	16-SEP-1998;	98WO-US019320P.
PR	17-SEP-1998;	98US-0100858P.
PR	17-OCT-1998;	98WO-US019437.
PR	01-DEC-1998;	98WO-US021141.
PR	01-DEC-1998;	98WO-US025108.
PR	22-DEC-1998;	98US-0113236P.
PR	05-JAN-1999;	99WO-US00016.
PR	08-MAR-1999;	99WO-US005128.
PR	02-JUN-1999;	99WO-US0123957P.
PR	23-JUN-1999;	99US-0141037P.
PR	07-JUL-1999;	99US-0143048P.
PR	20-JUL-1999;	99US-0144758P.
PR	26-JUL-1999;	99US-0145638P.
PR	17-AUG-1999;	99US-0149329P.
PR	15-SEP-1999;	99WO-US021090.
PR	15-SEP-1999;	99WO-US021547.
PR	08-OCT-1999;	99US-0158663P.
PR	10-NOV-1999;	99WO-US028313.
PR	01-DEC-1999;	99WO-US0283301.
PR	01-DEC-1999;	99WO-US028634.
PR	16-DEC-1999;	99WO-US030095.
PR	20-DEC-1999;	99WO-US030911.
PR	05-JAN-2000;	2000WO-US000219.
PR	06-JAN-2000;	2000WO-US000376.
PR	11-FEB-2000;	2000WO-US003565.
PR	18-FEB-2000;	2000WO-US004341.
PR	22-FEB-2000;	2000WO-US004414.
PR	24-FEB-2000;	2000WO-US004914.
PR	02-MAR-2000;	2000WO-US005004.
PR	10-MAR-2000;	2000WO-US005841.
PR	15-MAR-2000;	2000WO-US006319.
PR	30-MAY-2000;	2000WO-US006884.
PR	02-JUN-2000;	2000WO-US007377.
PR	23-JUN-2000;	2000WO-US008434.
PR	15-MAY-2000;	2000WO-US005359.
PR	17-MAY-2000;	2000WO-US013705.
PR	22-MAY-2000;	2000WO-US014042.
PR	30-MAY-2000;	2000WO-US014941.
PR	02-JUN-2000;	2000WO-US015264.
PR	23-JUN-2000;	2000US-021637P.
PR	28-JUL-2000;	2000WO-US020710.
PR	11-AUG-2000;	2000WO-US022031.
PR	23-AUG-2000;	2000WO-US023522.
PR	24-AUG-2000;	2000WO-US023328.
PR	07-SEP-2000;	2000US-0230978P.
Query Match	32.1%;	Score 198; DB 6; Length 117;
Best Local Similarity	88.6%;	Pred. No. 3 9e-14;
Matches 39;	Conservative 0;	Mismatches 5; Indels 0; Gaps 0;
Qy	1 MPSPGTVCSILLGMLWDLAMAGSSFLSPEHORVQVRPHKAP 44	1 MPSPGTVCSILLGMLWDLAMAGSSFLSPEHORVQQRKESKRP 44
Db	1 MPSPGTVCSILLGMLWDLAMAGSSFLSPEHORVQQRKESKRP 44	1 MPSPGTVCSILLGMLWDLAMAGSSFLSPEHORVQQRKESKRP 44

PR	17-JUN-1998;	98US-0089599P.	CC	useful for treating cardiac insufficiency disorders. PRO1154 and PRO1186 stimulate adrenal cortical capillary endothelial growth, and PRO1126,
PR	17-JUN-1998;	98US-0089600P.	CC	PRO943, PRO028, PRO026, PRO1068 or PRO535, PRO026, PRO819, PRO1126,
PR	17-JUN-1998;	98US-0089653P.	CC	PRO1360 and PRO1387 induce c-fos in endothelial cells, and are thus useful for treating conditions or disorders where angiogenesis would be beneficial, e.g. wound healing and antagonist of this polypeptide are useful for treating cancerous tumours. PRO812 inhibits vascular endothelial growth factor (VEGF) stimulated proliferation of endothelial cells and is thus useful for inhibiting endothelial cell growth in mammals which would be beneficial in inhibiting tumour growth. PRO026,
PR	18-JUN-1998;	98US-0089801P.	CC	PRO1068, PRO184, PRO146 and PRO137 stimulate proliferation of stimulated T-lymphocytes and are therapeutically useful for enhancing immune response. PRO028, PRO026, PRO1068 or PRO132 enhance survival of retinal neurons cells (PRO132 is also useful for treating retinal rod photoreceptor cells) and therefore are useful for treating retinal disorders of injuries, e.g. retinitis pigmentosum, AMD. PRO19, PRO813 and PRO1066 induce proliferation of mammalian mesangial cells, and therefore are useful for treating kidney disorders associated with decreased mesangial cell function such as Berger disease or other nephropathies associated with dermatitis, herpetiformis or Crohn's disease. PRO1310, PRO044, PRO1312, PRO1192 and PRO1387 induce the proliferation and/or redifferentiation of chondrocytes in culture and are thus useful for treating sports injuries, and arthritis. This is the amino acid sequence of a novel human PRO protein
PR	18-JUN-1998;	98US-0089908P.	CC	XX
PR	18-JUN-1998;	98US-0089917P.	CC	Sequence 117 AA;
PR	18-JUN-1998;	98US-0089908P.	CC	Query Match 32.1%; Score 198; DB 6; Length 117;
PR	15-SEP-1998;	98US-00919330.	CC	Best Local Similarity 88.6%; Pred. No. 3.9e-14; Mismatches 0; Indels 0; Gaps 0;
PR	17-SEP-1998;	98US-00919437.	CC	Qy 1 MPSPGTVESLLLIGMLWDLAMAGSSFLSPERHQVRQPRPHKAP 44
PR	07-OCT-1998;	98US-00921141.	CC	Db 1 MPSPGTVESLLLIGMLWDLAMAGSSFLSPERHQVRQPRKESKRP 44
PR	01-DEC-1998;	98US-00925108.	CC	RESULT 14
PR	05-JAN-1999;	98US-00900106.	CC	ID ABU82636 standard; protein: 117 AA.
PR	08-MAR-1999;	98US-00905028.	CC	XX
PR	02-JUN-1999;	98US-00912252.	CC	ABU82636;
PR	15-SEP-1999;	98US-00921190.	CC	XX
PR	15-SEP-1999;	98US-00921147.	CC	DT 26-JUN-2003 (first entry)
PR	30-NOV-1999;	98US-00928313.	CC	XX
PR	01-DEC-1999;	98US-00928301.	CC	XX
PR	01-DEC-1999;	98US-00928634.	CC	XX
PR	16-DEC-1999;	98US-00930095.	CC	XX
PR	20-DEC-1999;	98US-00931011.	CC	XX
PR	06-JAN-2000;	2000US-0000219.	CC	XX
PR	06-JAN-2000;	2000US-000376.	CC	XX
PR	11-FEB-2000;	2000US-0003565.	CC	XX
PR	18-FEB-2000;	2000US-0004341.	CC	XX
PR	22-FEB-2000;	2000US-0004414.	CC	XX
PR	24-FEB-2000;	2000US-0004200.	CC	XX
PR	24-FEB-2000;	2000US-0005004.	CC	XX
PR	02-MAR-2000;	2000US-005841.	CC	DE Human secreted/transmembrane protein PRO1066.
PR	10-MAR-2000;	2000US-006319.	CC	ID ABU82636
PR	15-MAR-2000;	2000US-006684.	CC	XX
PR	20-MAR-2000;	2000US-007377.	CC	XX
PR	30-MAR-2000;	2000US-007339.	CC	XX
PR	15-MAY-2000;	2000US-0013358.	CC	XX
PR	17-MAY-2000;	2000US-0013705.	CC	XX
PR	22-MAY-2000;	2000US-0014042.	CC	XX
PR	30-MAY-2000;	2000US-0014941.	CC	XX
PR	02-JUN-2000;	2000US-0015264.	CC	XX
PR	28-JUL-2000;	2000US-0014042.	CC	XX
PR	11-AUG-2000;	2000US-002031.	CC	XX
PR	23-AUG-2000;	2000US-0023522.	CC	XX
PR	24-AUG-2000;	2000US-0023328.	CC	XX
PR	08-NOV-2000;	2000US-0030952.	CC	XX
PR	01-DEC-2000;	2000US-0032678.	CC	XX
PR	28-FEB-2001;	2001US-0006520.	CC	XX
PR	01-JUN-2001;	2001US-0019690.	CC	XX
PR	20-JUN-2001;	2001US-0019692.	CC	XX
PR	29-JUN-2001;	2001US-0021662.	CC	XX
PR	09-JUL-2001;	2001US-0031735.	CC	XX
PR	28-AUG-2001;	2001US-00941992.	CC	XX
PA	(GETH) GENENTECH INC.		XX	PA WPI; 2003-247083/24.
PA	Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL, Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Grimaldi JC, Gurney AL, Kjavian IJ, Napier MA, Pan J, Paoni NP, Roy MA, Stewart TA, Tumans D, Watanabe CK, Zhang Z,		XX	DR N-PSDB; ABX80294.
XX			XX	PR 14-NOV-2001; 2001US-00990711.
PT	Novel isolated PRO polypeptides e.g., PRO026, PRO1068, PRO1346 and PRO1375, which stimulate proliferation of stimulated T-lymphocytes are therapeutically useful for enhancing immune response and in cancer treatments.		XX	PR 16-JUN-1997; 97US-004978P.
PT	The invention describes an isolated human PRO polypeptide. The PRO polypeptides are useful in detecting PRO polypeptides in a sample, linking a biotinyled molecule to a cell expressing a PRO polypeptide, and in modulating at least one biological activity of a cell expressing a PRO polypeptide. PRO1312 stimulates hypertrophy of neonatal heart and is thus		XX	PR 17-OCT-1997; 97US-0062250P.
PT			XX	PR 05-NOV-1997; 97WO-US020069.
PT			XX	PR 12-NOV-1997; 97US-006186P.
PT			XX	PR 13-NOV-1997; 97US-006531P.
PT			XX	PR 24-NOV-1997; 97US-0066770P.
PT			XX	PR 25-FEB-1998; 98US-007545P.
PT			XX	PR 20-MAR-1998; 98US-0078910P.
PT			XX	PR 28-APR-1998; 98US-0083322P.
PT			XX	PR 07-MAY-1998; 98US-0084600P.
PT			XX	PR 28-MAY-1998; 98US-0087606P.
PT			XX	PR 02-JUN-1998; 98US-0087607P.

PR	02-JUN-1998;	98US-0087609P.	PR	07-JUL-1998;	98US-0091978P.
PR	03-JUN-1998;	98US-0087759P.	PR	07-JUL-1998;	98US-0091982P.
PR	04-JUN-1998;	98US-0087822P.	PR	09-JUL-1998;	98US-0092182P.
PR	04-JUN-1998;	98US-0088022P.	PR	10-JUL-1998;	98US-0092472P.
PR	04-JUN-1998;	98US-0088022P.	PR	20-JUL-1998;	98US-0093339P.
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RESULT 15
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 DT 26-AUG-2003 (first entry)
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 KW antiartherosclerotic; cardioton; anti-inferility; anti-HIV; cycostatic;
 KW antidiabetic; Gene therapy; tumour necrosis factor (TNF) alpha release;
 KW TNF-alpha release; cell proliferation; cell differentiation;
 KW gene expression modulator; proteoglycan release; cytokine release;
 KW tumour; inflammatory disease; organ failure; atherosclerosis;
 KW cardiac injury; infertility; birth defect; premature aging; AIDS;
 KW acquired immunodeficiency syndrome; cancer; diabetic complication;
 KW chromosome mapping; gene mapping; pharmaceutical; biosensor;
 KW bioreactor; tissue typing.
 XX
 OS Homo sapiens.
 XX
 PN US2003032156-A1.
 XX
 PD 13-FEB-2003.
 PP 06-MAY-2002; 2002US-00140474.
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 XX PA (GETH) GENENTECH INC.
 XX PA Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W,
 XX PA Gerritzen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S,
 XX PA Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WT, Zhang Y.

WPI; 2003-341980/32.
N-PSDB; ACD24073.

Claim 12: Fig. 112: ~~comprising~~ ~~comprising~~ - syndrome (AIDS), or cancer.

The invention describes an isolated nucleic acid (I) comprising, or which has 80 % sequence identity to, or the full-length coding sequence of, one of 275 nucleotide sequences, and which encodes a corresponding polypeptide selected from 275 amino acid sequences, where all sequences are given in the specification. The polypeptide encoded by (I) is used to detect PRO polypeptides, link a biactive molecule to a cell expressing a PRO polypeptide, modulate a biological activity of a cell, stimulate the release of tumour necrosis factor (TNF)-alpha from human blood, modulate the uptake of glucose or free fatty acid by cells, stimulate or inhibit the proliferation or differentiation of cells or gene expression, stimulate the release of cytokine from peripheral blood mononuclear cells, inhibit the binding of A-peptide to factor VIIA, or detect the presence of tumour in a mammal. The nucleic acid and polypeptide encoded by it, are useful for treating inflammatory diseases, organ failure, atherosclerosis, cardiac injury, infertility, birth defect, premature aging, acquired immunodeficiency syndrome (AIDS), cancer, or diabetic complications. The nucleic acid is useful as antisense RNA or DNA, or for hybridisation probes, in chromosome and gene mapping, and in generating diagnostic, biosensors or bioreactors. Both are useful as pharmaceuticals, this is the amino acid sequence of a novel human secreted and transmembrane PRO polypeptide.

X 0 Semantics 117 2000

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Query Match      32.1%;  Score 198;  DB 6;  Length 117;
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